

WIN

'WHAT IS NEXT'

GOVTECH PROFILE

2022 - PARIS



www.win.solutions
SOLUTION IS OUR TRUE NORTH

WIN Value Proposition



1

Deep experience in GOVTECH sector

- Developed 20+ solutions/platforms for GREs (Government related entities)
- Developed complex solutions that cover multi-user tier solutions between public servants and citizens



2

Specialized team & access to SMEs

- Formed multidisciplinary and multinational agile teams
- Leveraged the three subdepartments of WIN: Advisory, Deep tech and Platforms



3

Tried and tested, robust methodologies

- Ensured rapid prototyping phases through CD/CI
- Assured a fast time to market relying on previous experiences and continuous improvements



4

Product and solution centric organization

- Developed and built our own AI advanced deep tech
- **Clever Owl (Irish based):** Experience learning AI platform
- **Procreo (French based):** Profit management AI platform



Solutions Developed for GOVTECH Use Cases

We selected 9 used cases in GOVTECH solutions that will be leveraged in the development of future solutions

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Digital and automation solution

WIN
GOVTECH
digital house

AI / ML
Solutions

Proprietary
SaaS
Platforms

1. Public Inspection Platform

2. Citizen and Civil Servant Satisfaction Platform

3. Training Management System

4. Caytlin
(HCI solutions)

5. Public Eye
(NLP solutions)

6. Archiving Solutions

7. Govi
Performance Platform

8. Clevel Owl
Learning Exp Platform

9. Procreo
Predictive analytics





1. Public inspection platform

The project revolved around automating the process of inspection for the concern authority. This included user surveys and compliance forms

Major Challenges

A public administration that is responsible in tracking the performance of other entities related to their mandate (development of public administration)

Project Objectives

- Identify main pain points
- Increase efficiency
- Simplify process
- Compile data automatically
- Generate automated reports

Technology, Automation & Approach

We developed a survey form builder to support in gathering and scoring all personas

We developed and automated score engine that generate automated reports with-out human interference



2. Citizen and civil servant satisfaction platform

The project revolved around involving the citizen and public servant in the journey of public administration development and monitoring the public services quality

Major Challenges

- Automate the incident report of service dissatisfaction
- Authorities have a hard time collecting feedback from citizen and report back on issue resolutions to enhance their satisfaction
- Scattered data collected requires time and effort to be collected and reported
- Generating insights and corrective actions remains difficult

Project Objectives

- Instant reporting of incidents or dissatisfaction on public services
- Generate automated workflow to the concerned agencies to address incident
- Generate automated workflow to instigate advanced monitoring level and automated follow-up process
- Generate reports and insights

Technology, Automation & Approach

We developed a survey form builder to support in gathering and scoring all personas

We developed and automated score engine that generate automated reports with-out human interference

Citizen and civil servant satisfaction workflow automation

2. Citizen and civil servant satisfaction platform

Example of a user satisfaction form

أعلى مؤشر	المعدل الإجمالي	الجهة
رضا الموظف	34.159	
رضا المواطن	29.293	
رضا الموظف	28.393	
رضا المواطن	25.758	
رضا المواطن	25.369	
تنظيم مؤسسي	20.488	
تنظيم مؤسسي	18.375	
تنظيم مؤسسي	15.106	
تنظيم مؤسسي	13.915	
تنظيم مؤسسي	13.049	
تنظيم مؤسسي	11.438	
رضا المواطن	6	

Reporting tool based on satisfaction levels

10M users

On premise solutions

Simple and user-friendly menu, easily maneuvered

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3. Training Management Solution

The Teacher Management System (TMS) is a web-based system that allows users to generate training modules, manage sessions, manage registrations, and deliver training

Major Challenges

- Automate the training the trainer module for all public teachers
- Users are reluctant to change, making it harder for trainers to explain the benefits of the system

Platform Benefits

- Guides trainers throughout the process with best practices
- Helps teachers connect with their students and explain the benefits of the transformation
- The system is backed with a reporting module to monitor activity as well as generating customized official reports

Technology, Automation & Approach

- Sessions are performed making sure that the users are feeling comfortable with the UI
- Teach users how to take advantage of the features and demonstrate how their daily tasks are completed more effectively and efficiently using the online platform

30K users

On premise solutions

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Training Management System

30K users

On premise solutions

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3. Training Management Solution

Display 10 records

Module	Date	Status	Action
Development of Local Topics	12-27-2019 Module Conception	Incomplete	Sessions Submit
Teaching with Technology (TWT)	12-06-2019 Module Conception	Active	Sessions Assessment Cancel
Teaching with Technology (TWT)	12-14-2019 Module Conception	Approved	Sessions Comments
Teaching with Technology (TWT)	12-15-2019 Module Conception	Approved	Sessions Comments

Showing 1 to 4 of 4 entries

Previous 1 Next

Trainer dashboard

BEST PRACTICES

Display 10 records

Performance Task	Module	Type of Task	Level
Performance Task	tm-final	cycle1	The English Language (1st Language)
بيولوجي	بيولوجي	cycle1	Sciences (Arabic)
بيولوجي	بيولوجي	cycle1	Sciences (Arabic)

Showing 1 to 3 of 3 entries

Previous 1 Next

Generates reports and insights regarding best practices

4. Caytlin

AI driven platform that provides real time engagement measurement with displayed content and emotional assessment

HCI engagement
measurement
Driven By AI and ML

Embedded with other
platforms

On premise solutions

Major Challenges

- Today's students or content have access to unlimited information
- The learning experience is seeking change
- There is a need to integrate educational libraries, the trusted web, proprietary content, information management systems, artificial intelligence, machine learning, intuitive and natural user interfaces

Platform Benefits

- Virtual assistant for students
- Reads behavior while learning
- Provides backend web interface displaying analytical reports based on the data collected
- A model is established to support natively the required change and lead the future generations

Technology, Automation & Approach

- Carefully craft the model combining artificial intelligence with Machine Learning without any impact on performance and scalability

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4. Caytlin

HCI engagement measurement driven By AI and ML

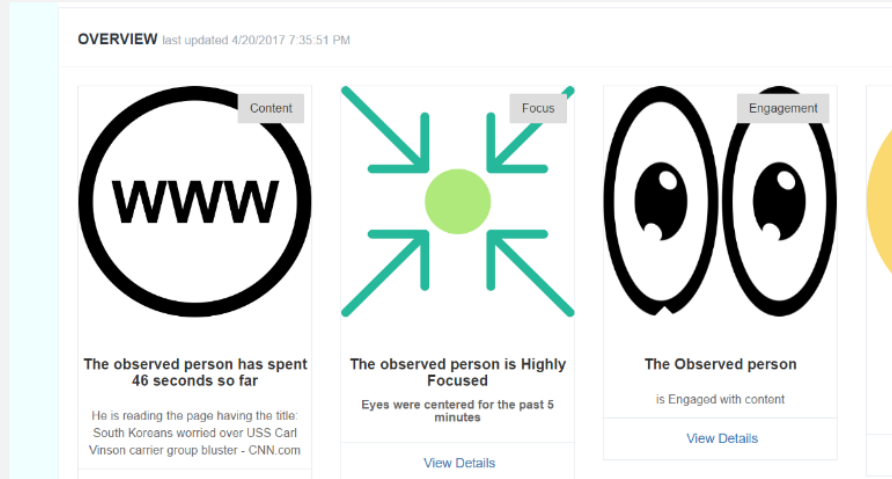
Embedded with other platforms

On premise solutions

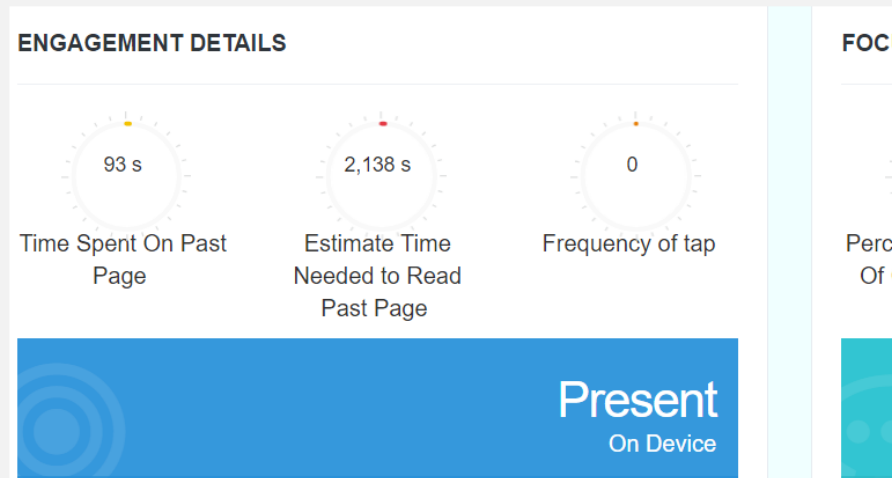
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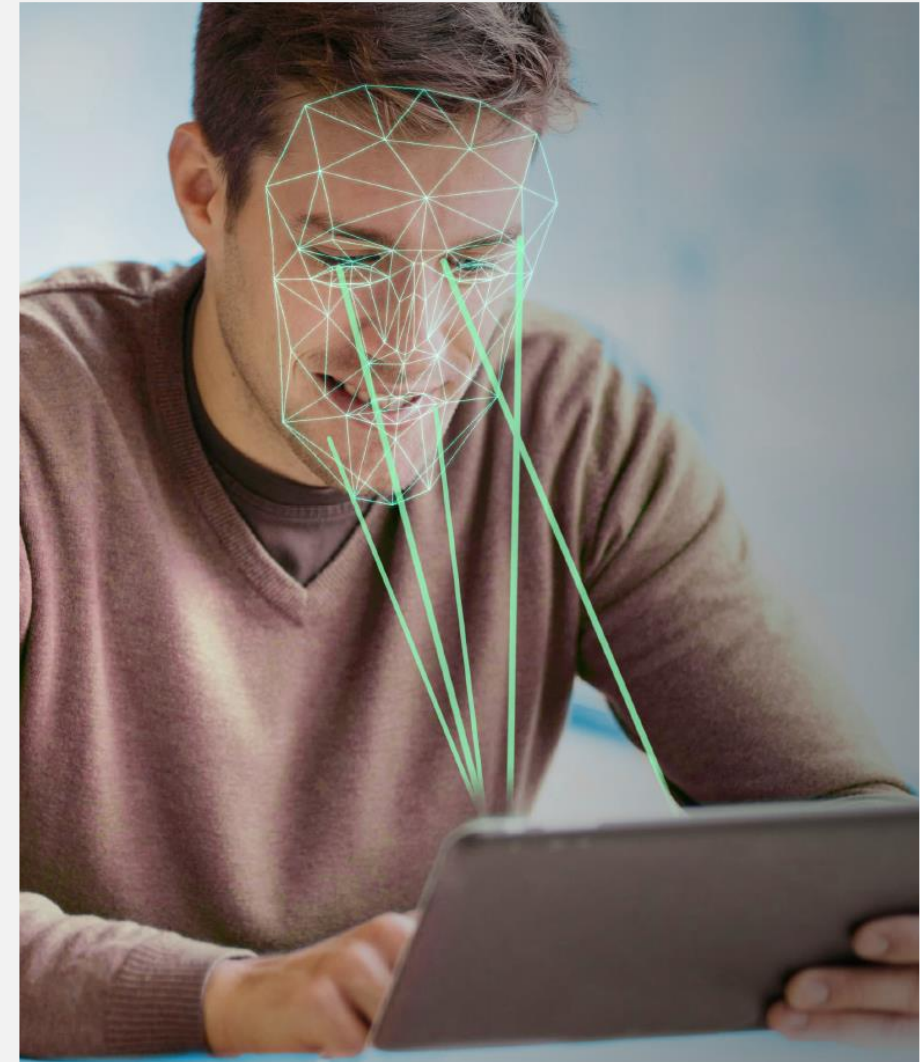
For governmental use



Collects data about the studying behavior of the subject



Generates different reports related to the learning experience of the users



Studies facial expressions

5. Public Eye

A next gen crawling tool that crawls the worldwide web and the social media network to gather data and cluster it based on advanced indexing and machine learning technologies providing a global insight with the possibility to drill down into each occurrence of every cluster.

Major Challenges

- Today's students have access to unlimited information
- The learning experience is seeking change
- There is a need to integrate educational libraries, the trusted web, proprietary content, information management systems, artificial intelligence, machine learning, intuitive and natural user interfaces

Platform Benefits

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Technology, Automation & Approach

- Machine Learning clustering
- Advanced data theme indexing
- Content tagging

Simultaneous content crawler on digital media and web driven by AI and ML

Embedded with other platforms

On premise solutions

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5. Public Eye

Simultaneous content crawler on digital media and web driven by AI and ML

The interface includes three main filter sections: 1. POINT OF REFERENCES (with a search box containing 'Brexit is good for EU'), 2. PUBLISHING PLACE (with a dropdown menu set to 'France: DE'), and 3. PUBLISHER (with an empty search box). On the right, there are sections for 'PERSPE', 'HITS', 'WEB DI', and 'STICK T'. Below the filters, there is a 'Sentiment Map' showing a world map with a green marker over France, and a 'Bullseye' chart showing a distribution of sentiment: Positive (green), Negative (red), and Neutral (yellow).

Easy to use interface

This view shows a detailed indexing system. It features a table with columns for 'Occurrence', 'KeyWords', 'Topics', and 'Score %'. Below the table are sections for 'KEYWORDS CLOUD' and 'TOPIC CLOUD'. On the right side, there are several filter buttons for categories like 'Mean', 'Negotiations', 'Million', 'Figures', 'Deal', 'France', 'Union', 'Government', 'Future', 'Macron', 'States', 'Leave', 'Countries', 'Initiative', and 'Other Topics'.

Detailed indexing system

Embedded with other platforms

On premise solutions

This view displays an extensive list of searched data. It includes a 'Sentiment Map' and a 'Bullseye' chart. A detailed view of a specific result is shown, listing 'Sites' with their 'Rank' and 'Score'. The list includes URLs from various sources like 'http://www.ohr.com', 'https://www.infr.fr', 'http://www.atlantico-council.org', 'http://www.fox.com', 'https://www.bbc.com', 'https://www.fox.com', 'https://www.bbc.com', and 'https://www.bbc.com'. The detailed view shows the 'Content' and 'URI' for a specific result.

Extensive list of searched data

This view shows results shown based on relevance. It features a table with columns for 'Content', 'PostUser', 'Summary', 'Result_Type', 'Iso_Lang_Code', 'User_ID', 'User_Description', 'Created At', 'Sentiment', and 'Score'. The table contains two rows of results, each with a 'Content' snippet, a 'URI', and a 'Score'.

Results shown based on relevance

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6. Archiving Solution

Unique features that our solution provides

Archiving solution's interface

An extensive list of items

Different steps of the archiving system

Different steps of the archiving system

Different steps of the archiving system and reporting options

Unique features

-  **Index reporting/ Advanced reporting**
-  **Simultaneous scanning**
-  **Automatic alert to errors**
-  **Warehouse management**
-  **Autocomplete management**
-  **RFID support**

Allows multiple reports to be produced analyzing the archived data

Permits 100+ scanning users simultaneously

Alerts automatically to any error in the scanned document, including papers jams or illegible data

Tracks the location of the original files for future reference

Memorizes the user data and inserts them in all following forms

RFID support could be added if required

Benefits



Increases efficiency



Reduces human errors



Allows for easy referencing

Archiving Solution On-premise

Unique features that our solution provides

Archiving solution's interface

An extensive list of items

Different steps of the archiving system

Different steps of the archiving system

Different steps of the archiving system and reporting options

6. Archiving Solution

فوائد ضخمة
نظام حبي على الخفاضة

تتمتع نظام مستندات مركز العمل الإلكتروني بالامتثال على الناحية المعمولة مما يسمح للمستخدمين بالعمل على الصور في المستودع الإلكتروني الخواص للتحقيق من لوحة التحكم على شبكة الإنترنت. كما يتيح من الفوائد من الخفاضة لتدوير رول المواد الخام والمنتجات والتخلص منها في وقت قصير. فعمل الخفاضة العمودية إلى حد كبير يتناسب مع أي نظام موجود للتخلص من المادة إلى العمل بشكل أفضل داخل المباني.

المزيد من الفوائد
تطبيق سلسلة خصوصية ISO 27001

تتوافق النظام مع أي مستودع بيانات لتدوير رول الخفاضة العمودية والتخلص منها في وقت قصير. فعمل الخفاضة العمودية إلى حد كبير يتناسب مع أي نظام موجود للتخلص من المادة إلى العمل بشكل أفضل داخل المباني.

التحول الرقمي

يتمتع النظام الرقمي بالشامل والتي يطبق مبدأ كيرنل من المميزات والشفافية والمصداقية والتجارب التكنولوجية والتفورات والمواهب الداخلية والخارجية والصناعات وما إلى ذلك.

المميزات
نظام على المعيار لتطبيق جميع احتياجات من الوثيقة

- مركز العمل الإلكتروني
- إدارة المستندات
- إدارة المستودعات
- مركز خدمة العملاء
- مراقبة الجودة
- مزايا الجودة
- مركز إدارة الموارد البشرية
- تعدد اللغات
- RFID
- تعدد الشاشات

- The archiving solution's interface is simple and **easy to use**
- WIN proposes a **unique tested** and **proven** solution for the digitalization of the paper archive
- This proprietary solution will be **adapted** to the specific needs of the CoA archives

Archiving Solution On-premise

6. Archiving Solution

Unique features that our solution provides

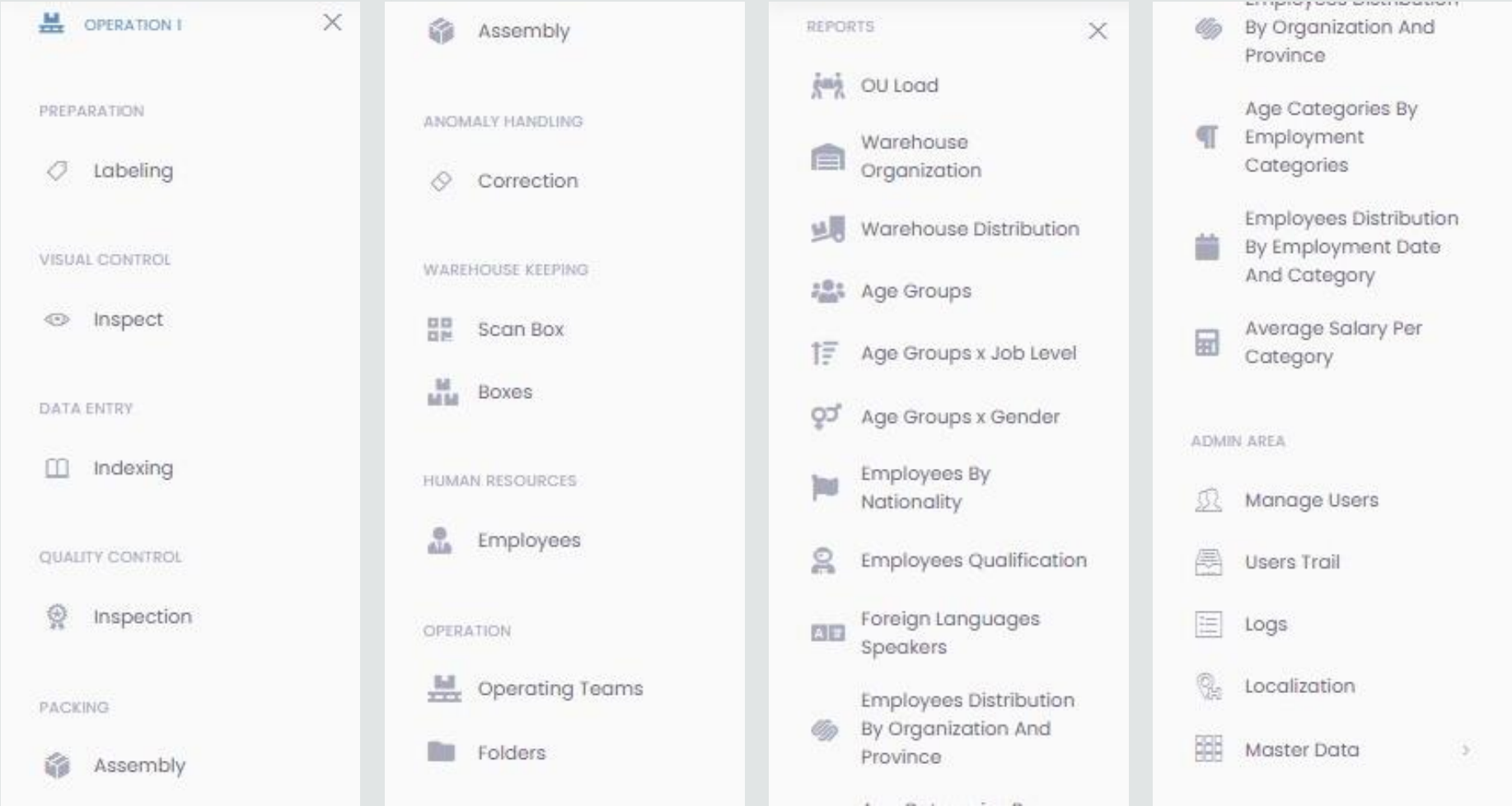
Archiving solution's interface

An extensive list of items

Different steps of the archiving system

Different steps of the archiving system

Different steps of the archiving system and reporting options



The menu list is extensive and exhaustive. Users will only see their roles while admin users are able to see the complete list. The list also includes tools for reporting and assessing different factors, such as efficiency. The reporting tool can be adapted to the CoA's archives' details.



Archiving Solution On-premise

Unique features that our solution provides

Archiving solution's interface

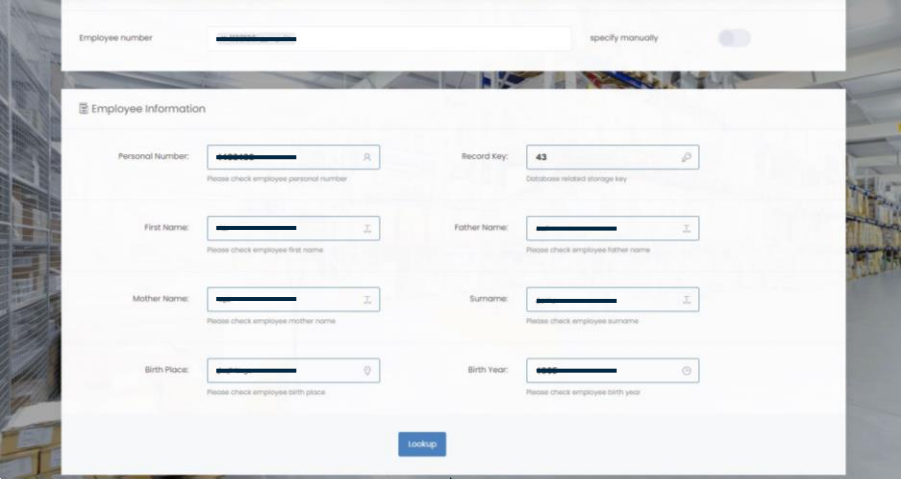
An extensive list of items

Different steps of the archiving system

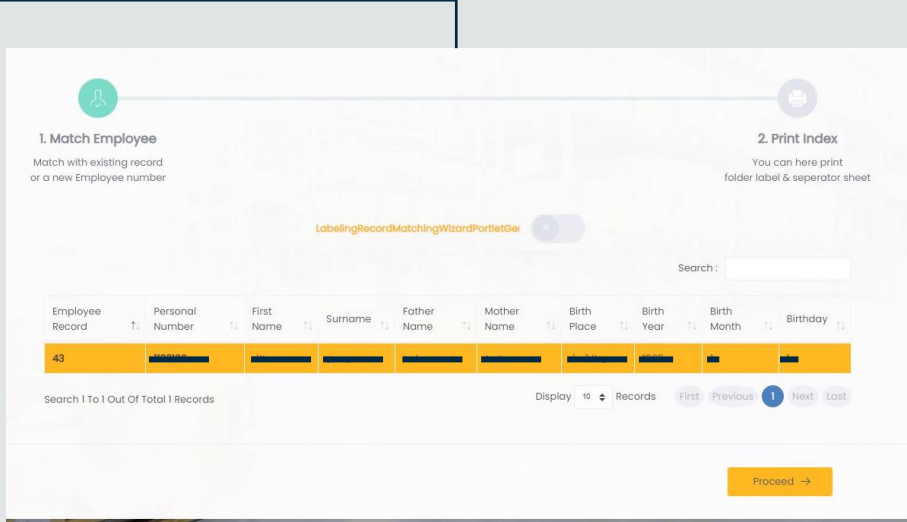
Different steps of the archiving system

Different steps of the archiving system and reporting options

6. Archiving Solution



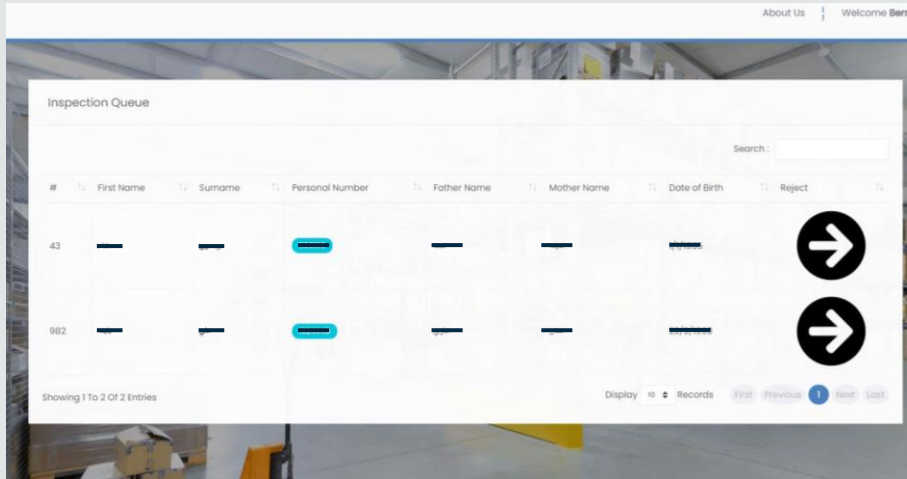
Choosing the user's name fills the information automatically



An option to change the user appears in case of wrong input



Both a QR code and a Bar code appear to be printed and later on tagged to the physical file to track the user's scans



The file is flagged in the inspection category in case of an error/mismatch between the scanner and the system

6. Archiving Solution

Unique features that our solution provides

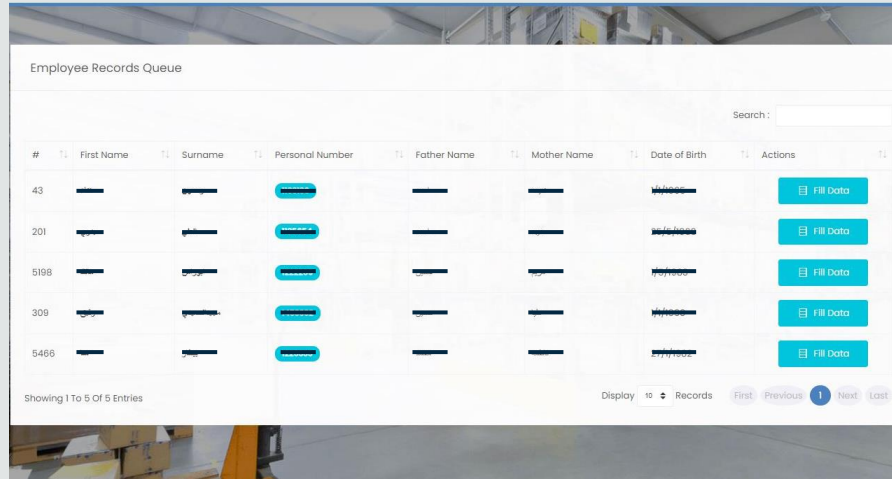
Archiving solution's interface

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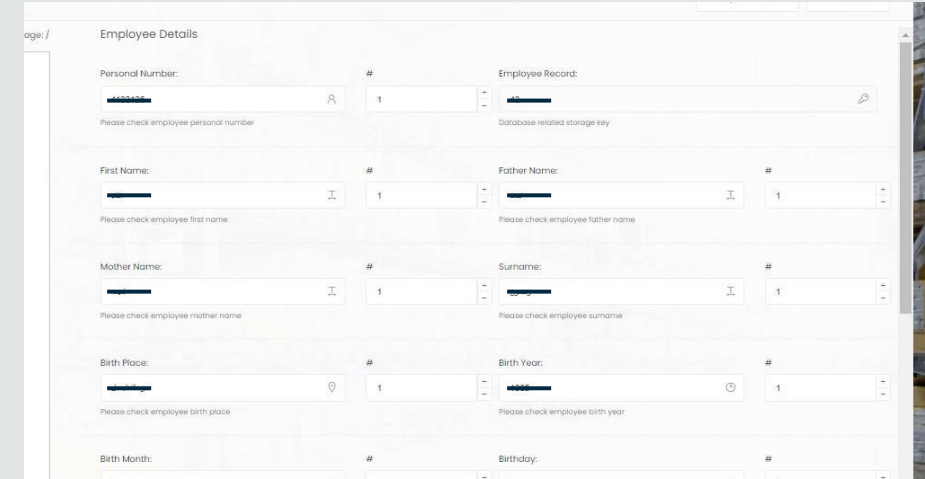
Different steps of the archiving system

Different steps of the archiving system

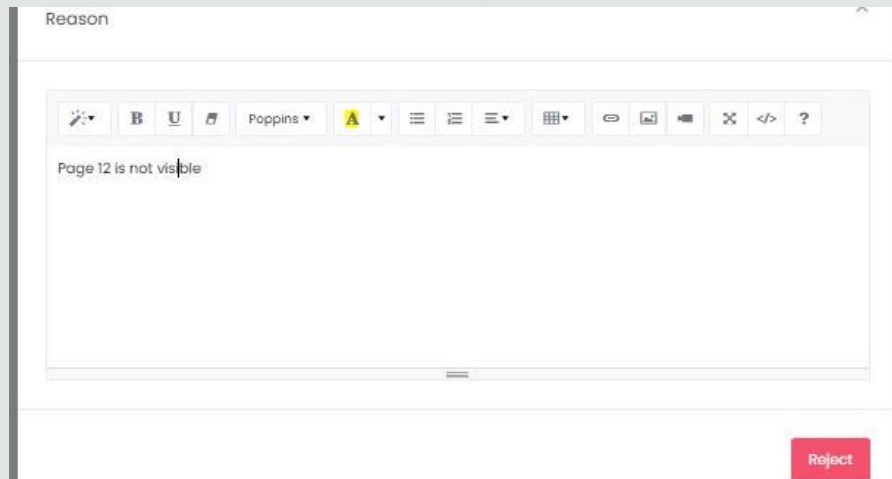
Different steps of the archiving system and reporting options



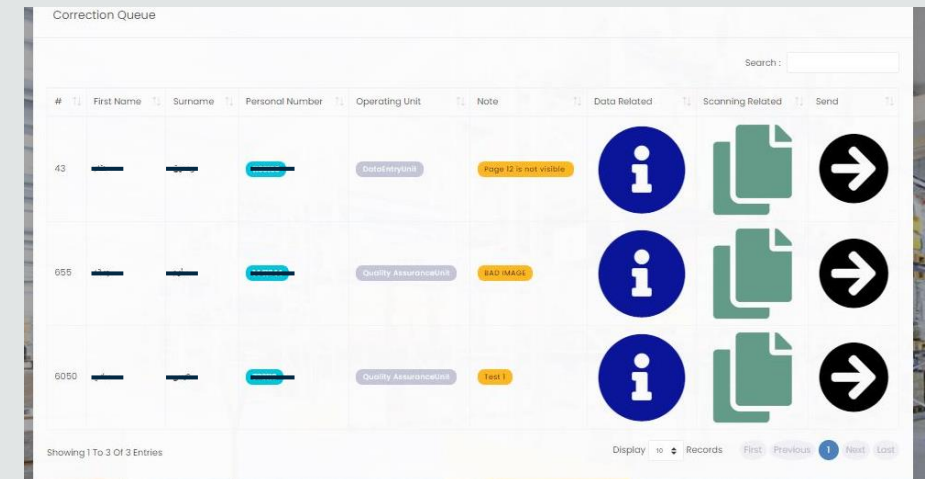
User selects the files to fill in the data in the entry unit



The user data is already saved, therefore increasing efficiency



In case of a problem with the file, the user can reject it, adding a note to explain the problem



The rejected files appear in anomaly handling

Archiving Solution On-premise

6. Archiving Solution

Unique features that our solution provides

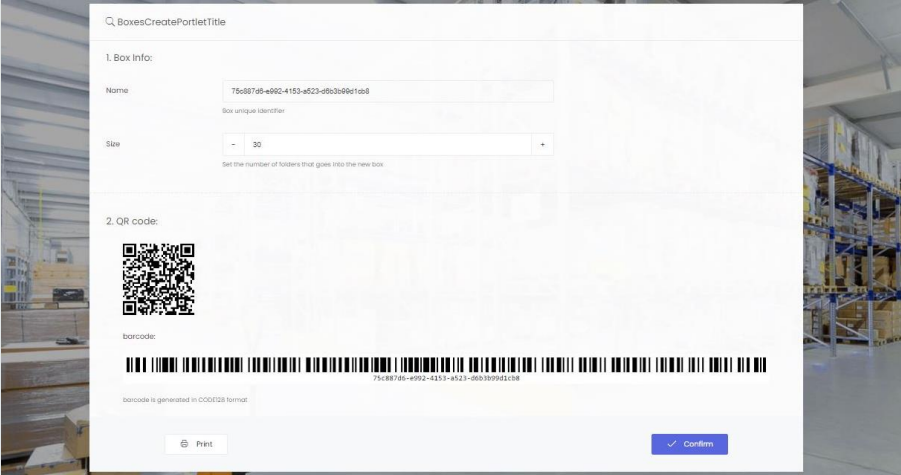
Archiving solution's interface

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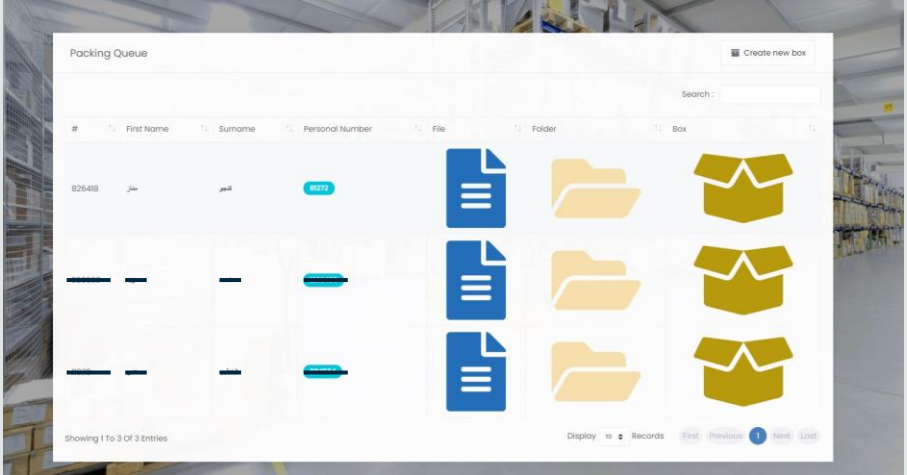
Different steps of the archiving system

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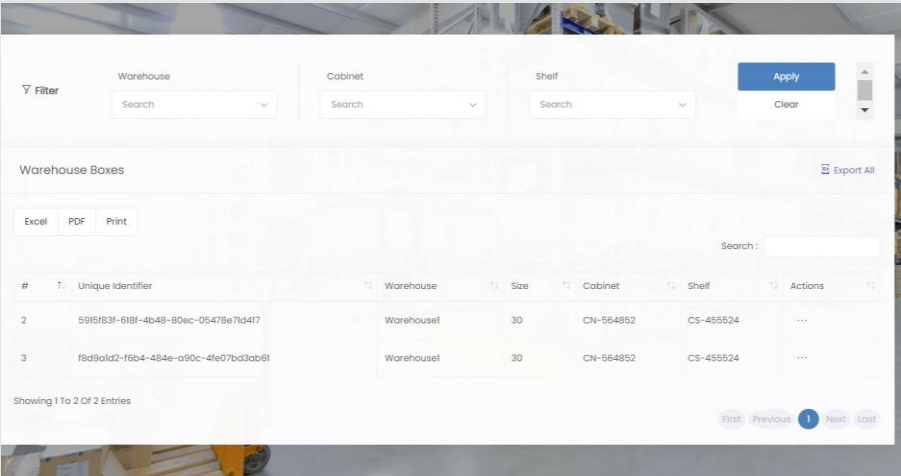
Different steps of the archiving system and reporting options



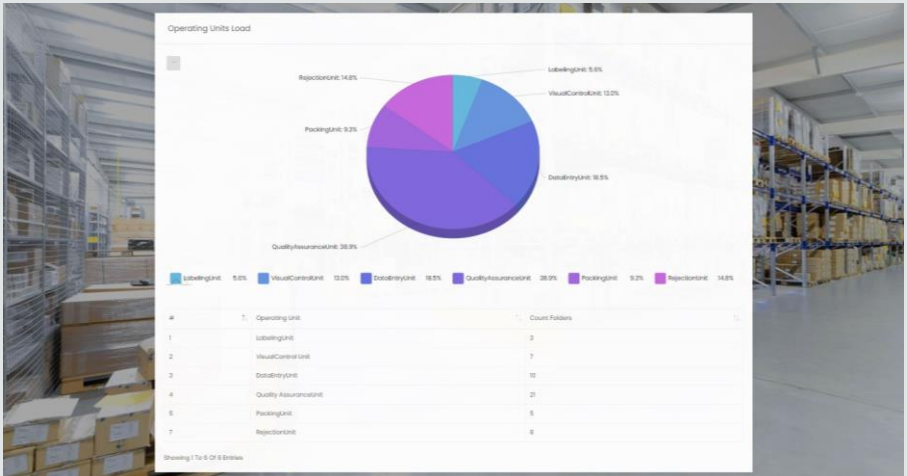
QR code to scanned and printed to be placed on the box for warehouse management



The scanned files are stored in virtual boxes and the originals are placed in boxes with QR codes for easy reference



The user scans the QR code of the box, fills in the information of its storing location, row, level... and stores the box



Sample report that the system can generate

7. Govi

Govi supports government entities to achieve their highest potential through proprietary methods of design thinking and develop operations by leveraging existing deep technology platform in ML & AI

Major Challenges

- Users striving to reach their development goals
- The need to reach a sustainable future where concrete data and analytics are a must
- The need for perfection in quality as data becomes more and more available

Platform Benefits

- Easily create forms with zero coding skills
- Fully editable form and customizable to collect all types of data
- Well structured workflow information
- Real time updates on open cases to ensure accurate scoring and ranking
- Ongoing background processing
- Reports and summaries generated following the user's timeline

Technology, Automation & Approach

- Detailed Monitoring to all institutions
- Accurate Citizen Feedback
- Better Employee rating and merit
- More quality-oriented services
- Rating model for assessments
- Collect big data and generate reports

20M+ users

On premise solutions

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7. Govi



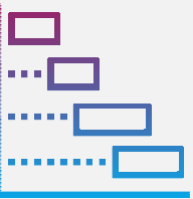
FORMS ENGINE

Creating forms has never been so easy! Without hardcoding, our Forms Engine is able to generate countless forms that are fully editable and customizable to collect the any type of data needed!



WORKFLOW ENGINE

We Make sure the workflow and information hierarchy is well structured and delivered with our workflow engine that helps assign tokens and traces for each individual activity and generating copies for its users.



SCORING AND RANKING

Real time updates on open cases are constantly being mesured to ensure accurate scoring and ranking according to the public opinion and the follow up investigations



REPORT GENERATOR ENGINE

With the ongoing background processing, reports and summaries are generated according to any frequency, all the collected information is then stored and its public release is decided on any desired date.



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8. Clever Owl



Next generation platform geared to enable continuous learning and disrupt the current education model

Major Challenges

- Future Proof learning experience platform
- Delivery of blended learning experience
- Difficulty to find contextual and continuously updated OER (open education resources)

Platform features

FEATURES	CLEVER OWL	Competition
Content authoring and development	✓	✓
Deep integration with publishers	✓	✓
Advanced tagging, filtering and search	✓	✓
Private and public content repositories	✓	✓
Multiple content repositories	✓	✓
Version control	✓	✓
Content licenses, specification and scoring	✓	✓
Content rating and reviewing	✓	✓
Deep integration with publishers	✓	
Crowd Content	✓	
Content recommender engine	✓	
360 content management solution	✓	
OERs curation pipeline backed by ML/AI	✓	
Resources mapping	✓	
ML backed tagging and topic extraction	✓	
Readability assignment and meshing	✓	

AI Driven Learning Experience Platform

SaaS Product Launched in BETT UK 2022

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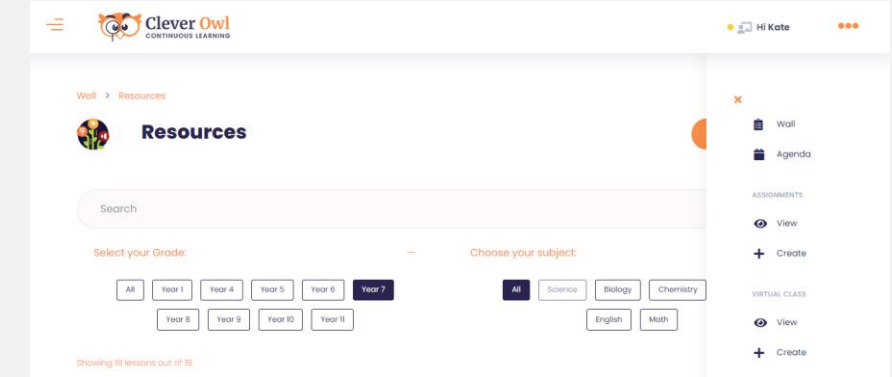
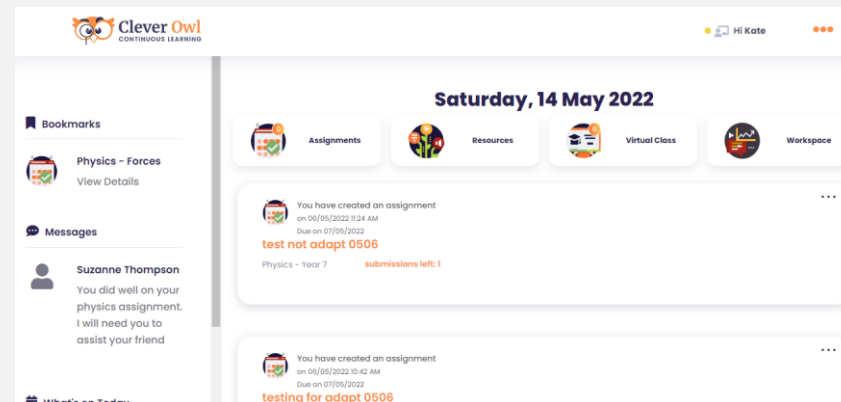
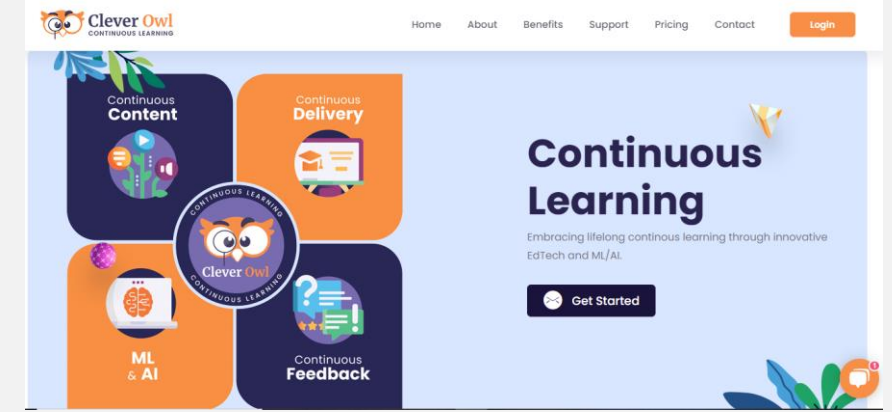
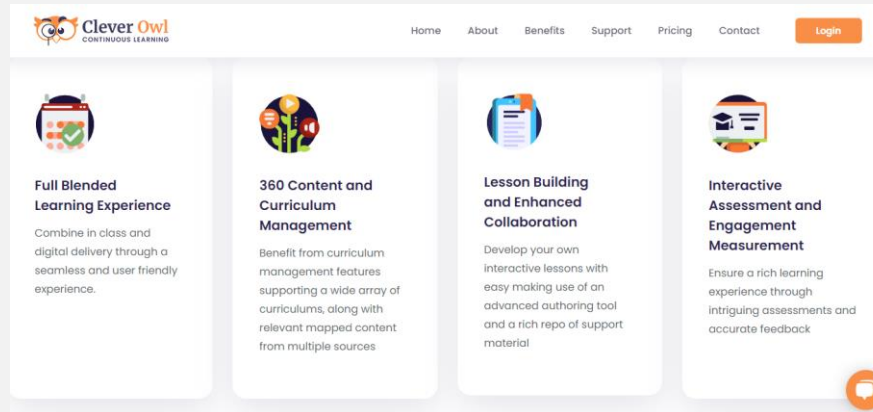


For governmental use

8. Clever Owl



Next generation platform geared to enable continuous learning and disrupt the current education system and empower teacher to differentiate their learning experience



9. Procreo

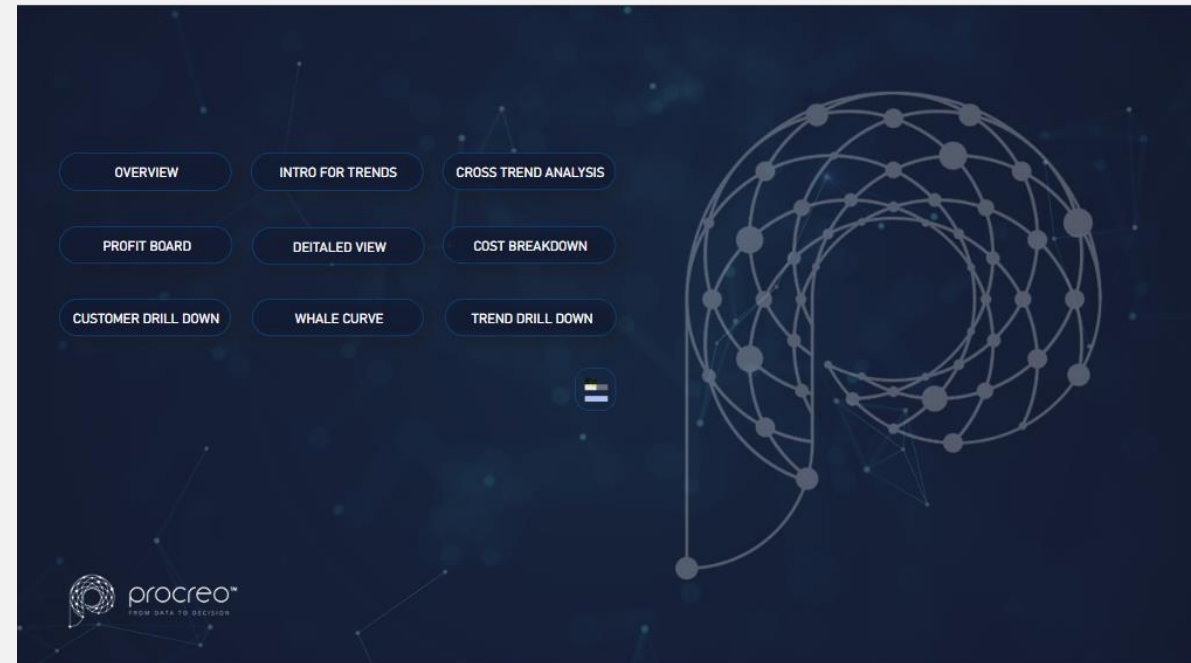


A profit management platform that allows companies to increase profit by analyzing a multitude of data, increasing efficiency and decreasing costs

Major Challenges

- Managers are interested in making faster and smarter decisions
- CFOs aspire to reduce costs and increase efficiency
- Companies today need to find good solutions at low investment costs, specifically in the IT infrastructure

Platform features



SaaS Product
Incubated at
'Pole Innovation
Finance – France '

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THANK YOU



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